



U.S. Department
of Transportation
**Research and
Special Programs
Administration**

DEPT. OF TRANSPORTATION
BOOKETS

400 Seventh St., S.W.
Washington, D.C. 20590
MAR 18 2003

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RSPA 1997-2993-26

DOT-E 11970
(FIFTH REVISION)

EXPIRATION DATE: November 30, 2003

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: ExxonMobil Chemical Company
(formerly Exxon Chemical, Inc.)
Houston, TX

(See Appendix A to this document for a list of additional grantees)

2. PURPOSE AND LIMITATION:

a. This exemption authorizes the transportation in commerce of certain pyrophoric solids in a non-DOT specification portable tank comparable to a DOT Specification 51 portable tank, except as modified herein. This exemption provides no relief from any Hazardous Materials Regulations (HMR) other than as specifically stated herein.

b. The safety analyses performed in development of this exemption only considered the hazards and risks associated with transportation in commerce.

3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR § 173.242 in that a non-DOT specification portable tank is not authorized, except as specified herein.
5. BASIS: This exemption is based on the application of ExxonMobil Chemical Company dated January 23, 2003, submitted in accordance with § 107.105 and the public proceeding thereon.

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6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Hazardous Material Description			
Proper Shipping Name	Hazard Class/ Division	Identification Number	Packing Group
Pyrophoric organometallic compound, water-reactive, n.o.s.	4.2	UN3203	I
Pyrophoric solid, inorganic, n.o.s.	4.2	UN3200	I

7. SAFETY CONTROL MEASURES:

a. PACKAGING - Prescribed packaging is a non-DOT specification steel portable tank conforming to the configuration and typical dimensions shown on Buckeye Boiler Drawing No. 83-0110 Rev. 3 dated February 1994, on file with the Office of Hazardous Materials Exemptions and Approvals and DOT Specification 51 (§ 178.245) except as follows:

(1) § 178.245-1(c). The tank has a bottom discharge fitted with a ball valve in addition to an opening on the top of the tank.

(2) § 178.245-1(d)(4). The portable tank is not mounted in a full framework for containerized transport and the bottom discharge is not fitted with an internal self-closing stop-valve.

(3) § 178.245-7(a). The line on the name plate which reads "DOT specification No." must be marked "DOT-E 11970".

Additionally, each portable tank must conform with the following design criteria:

- Minimum wall thickness: 6.35 mm.
- Maximum allowable working pressure (MAWP) range: 110 to 250 psig.
- Maximum capacity: 2047 liters (540 gallons).

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- Tare mass: 1360 kgs or less.
 - Spring loaded pressure relief valve (PRV) setting:
Set at MAWP.
 - Maximum loading or discharge pressure: 35 psig less
than the PRV setting.
 - Shape: cone-shaped funnel bottom with a ball valve.
- b. TESTING - Each portable tank must be tested and retested and reinspected as required for a DOT Specification 51 portable tank. The minimum test pressure must be 1.5 times the MAWP.
- c. OPERATIONAL CONTROLS -
- (1) The 1" bottom ball valve must be plugged and protected from side impact during transportation.
 - (2) A dry nitrogen blanket of 22 psig must be provided for transportation of pyrophoric solid material.
8. SPECIAL PROVISIONS:
- a. A person who is not a holder of this exemption who receives a package covered by this exemption may reoffer it for transportation provided no modification or change is made to the package or its contents and it is reoffered for transportation in conformance with this exemption and the HMR.
 - b. A current copy of this exemption must be maintained at each facility where the package is offered or reoffered for transportation.
9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle and cargo vessel.
10. MODAL REQUIREMENTS: A current copy of this exemption must be carried aboard each cargo vessel or motor vehicle used to transport packages covered by this exemption.

11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this exemption and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq:

- o All terms and conditions prescribed in this exemption and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
- o Registration required by § 107.601 et seq., when applicable.

Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this exemption must receive training on the requirements and conditions of this exemption in addition to the training required by §§ 172.700 through 172.704.

No person may use or apply this exemption, including display of its number, when the exemption has expired or is otherwise no longer in effect.

12. REPORTING REQUIREMENTS: The carrier is required to report any incident involving loss of packaging contents or packaging failure to the Associate Administrator for Hazardous Materials Safety (AAHMS) as soon as practicable. (Sections 171.15 and 171.16 apply to any activity undertaken under the authority of this exemption.) In addition, the holder of this exemption must inform the AAHMS, in writing, of any incident involving the package and shipments made under the terms of this exemption.

Issued in Washington, D.C.:



fr Robert A. McGuire
Associate Administrator
for Hazardous Materials Safety

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(DATE)

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Research and Special Programs Administration, Department of Transportation, Washington, D.C. 20590. Attention: DHM-31.

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Copies of this exemption may be obtained by accessing the Hazardous Materials Safety Homepage at <http://hazmat.dot.gov/exemptions>. Photo reproductions and legible reductions of this exemption are permitted. Any alteration of this exemption is prohibited.

PO: PTO/AM

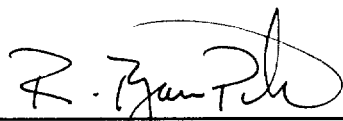
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Continuation of DOT-E 11970 (5th Rev.) APPENDIX A

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The following are hereby granted party status to this exemption based on their application(s) submitted in accordance with § 107.107 or § 107.109, as appropriate:

Company Name City/State	Application Date	Issue Date	Expiration Date
Univation Technologies, LLC Houston, TX	11/8/2001	2/1/2002	11/30/2003
Albemarle Corporation Baton Rouge, LA	11/8/2001	12/13/2001	11/30/2003



FR Robert A. McGuire
Associate Administrator for
Hazardous Materials Safety